

## PUBLIC NOTICE

### PERMIT APPLICATION: NRS 08.163

**APPLICANT:** Ken McCoy  
Silverdale Baptist Church  
7236 Bonny Oaks Drive  
Chattanooga, TN 37421  
423-892-2173

**LOCATION:** Friar Branch  
Hamilton County, TN  
N 35.0611, W -85.1411

**WATERSHED DESCRIPTION:** Project is located in east Chattanooga within the Lower Tennessee River watershed (HUC # 6020001) which includes portions of Bledsoe, Hamilton, Loudon, McMinn, Meigs, Rhea, Roane, and Sequatchie counties.

The portion of Friar Branch adjacent to this project has an approximate 15 to 20 foot top of bank width and a 6 to 10 foot bottom width. The stream has low sinuosity and flows along an old property boundary. Stream substrate is composed mainly of gravel, small cobbles, and sand.

Friar Branch has been listed as Exceptional Tennessee Waters from South Chickamauga Creek to headwaters for presence of state threatened Chickamauga Crayfish (*Cambarus extraneus*). The applicant has conducted a crayfish survey and determined the Chickamauga Crayfish to not be present on site. A wetland delineation has also been performed, results indicate no wetland impacts will occur as a result of the project.

Friar Branch is currently listed on the 303d list due to loss of biological integrity from siltation, nutrients, physical substrate habitat loss, and E Coli.

More information available online at: <http://www.state.tn.us/environment/wpc/ppo/arap>.

**PROJECT DESCRIPTION:** The proposal would involve relocating 117 linear feet of Friar Branch which would result in a 16 linear foot loss of channel length. The relocated portion of channel will have 1:1 slopes and banks will be stabilized using seeded Filtrexx rolls. Existing channel width will be maintained and substrate will consist of naturally occurring materials found in the stream. An elevated (2<sup>nd</sup> story) walkway would be span over the relocated portion of Friar Branch connecting an existing building to a new building.

Two 8" sanitary sewer crossings are proposed to cross the stream at the northern and southern portions of the property to tie in with the main trunk line. Sewer lines would be installed by open cut and natural substrate will be restored.

The riparian buffer surrounding the stream will largely remain undisturbed and be placed into conservation easement, areas placed into easement total approximately 1.8 acres. The applicant has also proposed to plant 10 native trees with 2" caliper width along the southern portion of the stream to improve the riparian buffer. Students from the Silverdale Academy will use the stream area as an outdoor class room, which will involve maintaining and enhancing the stream and riparian corridor.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity may result in degradation to water quality.

**USGS TOPOGRAPHIC QUADRANGLE:** East Chattanooga

**PERMIT COORDINATOR:** Benjamin Brown

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

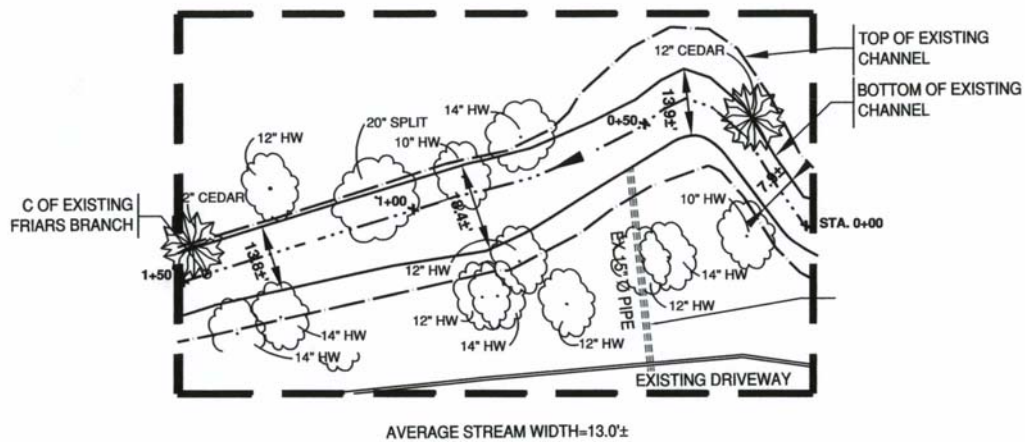
Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

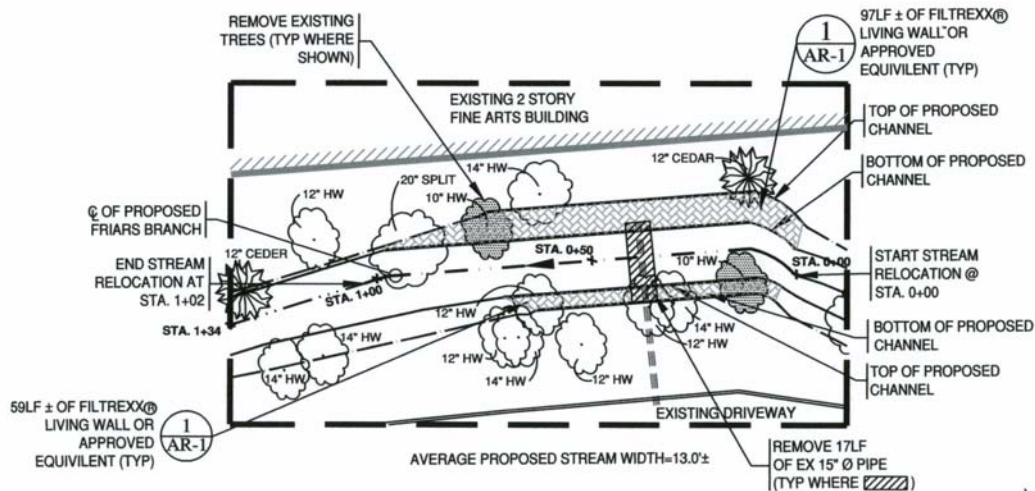
Tennessee Department of Environment & Conservation  
Division of Water Pollution Control, Natural Resources Section  
7th Floor L & C Annex  
401 Church Street  
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.



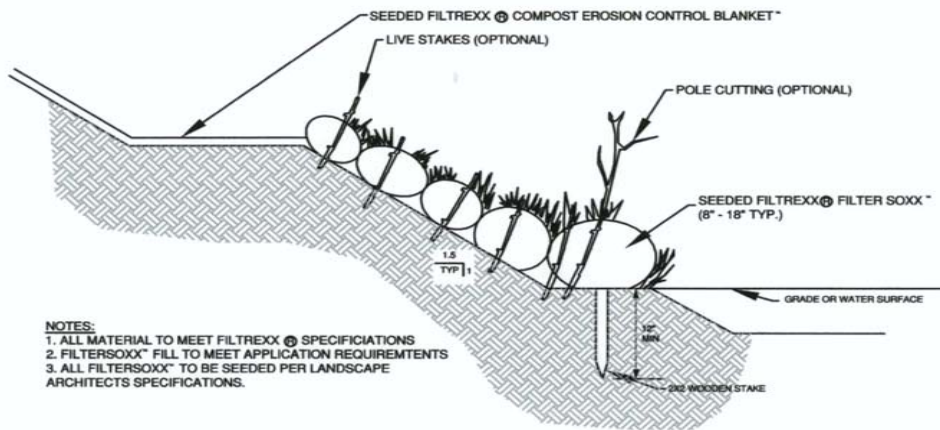


**Blow Up of Existing Friars Branch**  
NTS



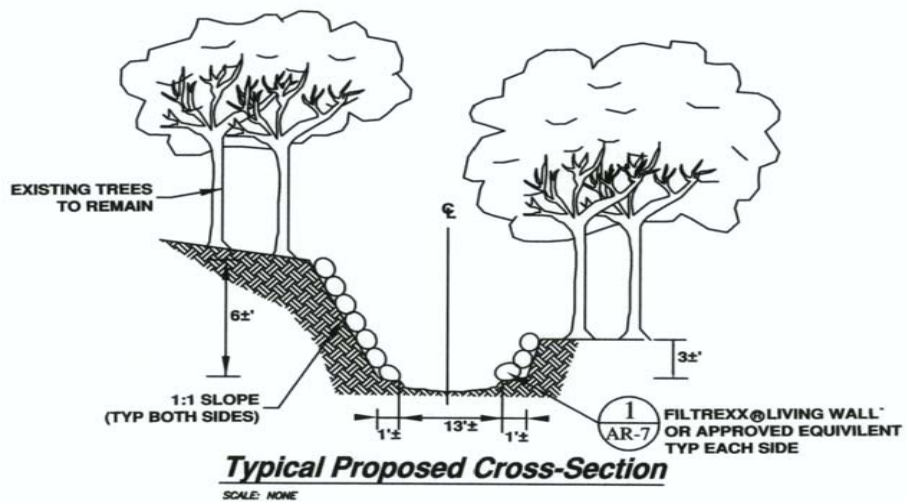
**Blow Up of Proposed Friars Branch Relocation**  
NTS

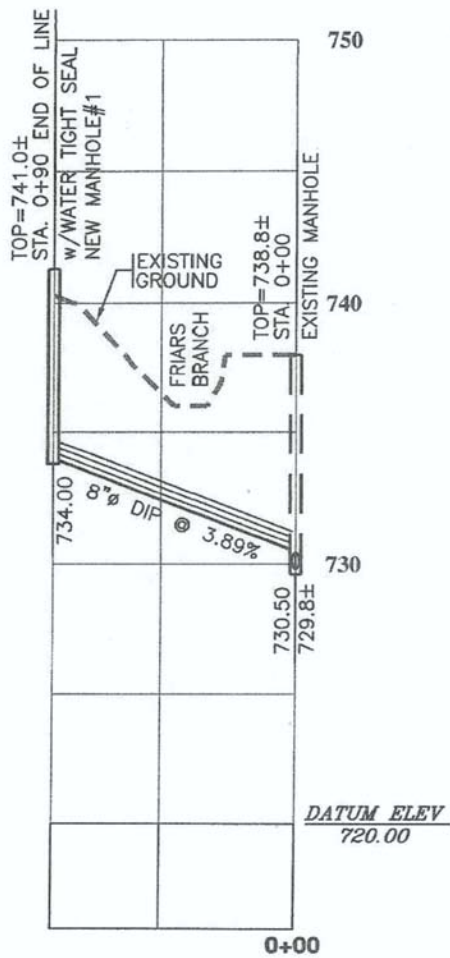




**1**  
AR-7  
SCALE: NONE

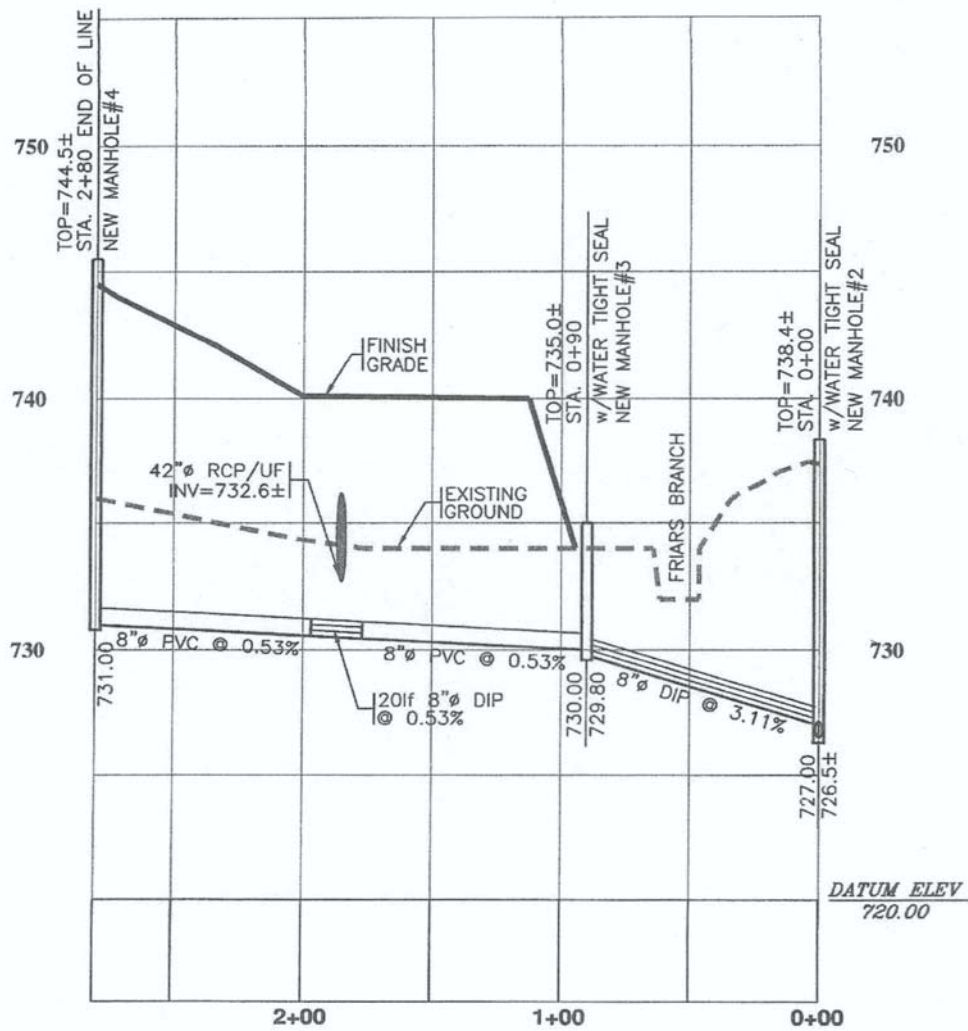
**DETAIL: FILTREXX® LIVING WALL\* OR APPROVED EQUIVALENT**





## Sanitary Sewer Profile of Line "A"

Horizontal Scale: 1"=60' Vertical Scale: 1"=6'



## Sanitary Sewer Profile of Line "B"

Horizontal Scale: 1"=60' Vertical Scale: 1"=6'





LOOKING DOWNSTREAM O. STREAM RELOCATION AREA



LOOKING DOWNSTREAM, SOUTH OF RELOCATION AREA TOWARDS PEDESTRIAN BRIDGE AREA





LOOKING UPSTREAM @ STREAM RELOCATION AREA



TYPICAL SHOT OF STREAM BED & BANKS